

## EAST Search History

| Ref # | Hits  | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|-------|---|---|------------------|---------|------------------|
| S80   | 14921 | (planar or plane) near3 (waveguide or (wave adj guide))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/08/25 10:25 |
| S81   | 76191 | optic\$3 near3 (waveguide or (wave adj guide))            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/08/25 11:07 |
| S82   | 9097  | S80 and S81   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/08/25 10:25 |
| S83   | 2344  | S82 and scatter\$4  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/08/25 10:25 |
| S84   | 1501  | S83 and (scatter\$4 with (light or radiation or energy))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/08/25 10:26 |
| S85   | 782   | S84 and (scatter\$4 with (waveguide or (wave adj guide))) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/08/25 10:27 |
| S86   | 14921 | (planar or plane) near3 (waveguide or (wave adj guide))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/08/25 10:28 |
| S87   | 76191 | optic\$3 near3 (waveguide or (wave adj guide))            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/08/25 10:28 |

## EAST Search History

|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| S88 | 9097 | S86 and S87   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/25 10:28 |
| S89 | 2527 | S88 and (scatter\$4 or stray)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/25 11:08 |
| S90 | 1640 | S89 and ((scatter\$4 or stray) with<br>(light or radiation or energy))                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/25 10:28 |
| S91 | 840  | S90 and ((scatter\$4 or stray) with<br>(waveguide or (wave adj guide)))                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/25 10:28 |
| S92 | 1410 | (385/48 385/50 385/129-132).ccls.<br>and (scatter\$3 stray\$3)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/25 10:31 |
| S93 | 5049 | (385/48 385/50 385/129-132).ccls.<br>and ((scatter\$3 stray\$3) with<br>(light or radiation or energy)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/25 10:30 |
| S94 | 928  | (385/48 385/50 385/129-132).ccls.<br>and ((scatter\$3 stray\$3) with (light<br>or radiation or energy)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/25 10:31 |
| S95 | 1527 | S85 S91 S94   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/25 10:31 |
| S96 | 1238 | (385/48 385/50 385/129-132).ccls.   | US-PGPUB  | OR | ON | 2006/08/25 10:31 |

## EAST Search History

|          |        |  |   |    |    |                  |
|----------|--------|--|---|----|----|------------------|
| S97      | 0      | ("clm.optic"\$3 near3 (waveguide or (wave adj guide))) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/25 11:07 |
| S98      | 14361  | (optic\$3 near3 (waveguide or (wave adj guide))).clm.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/25 11:07 |
| S99      | 5236   | (optic\$3 near3 (waveguide or (wave adj guide))).clm.  | US-PGPUB  | OR | ON | 2006/08/25 11:07 |
| S10<br>0 | 223    | S99 and (scatter\$4 or stray).clm.                     | US-PGPUB  | OR | ON | 2006/08/25 11:08 |
| S10<br>1 | 208066 | "385"/\$.ccls. "359"/\$.ccls. "398"/\$.ccls.           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/10/01 12:19 |
| S10<br>2 | 337    | S101 and ( echelle with grating)                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/10/01 12:25 |
| S10<br>3 | 9127   | S101 and (reflect\$4 with grating)                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/10/01 12:26 |
| S10<br>4 | 1747   | S103 and ((waveguide (wave adj guide)) with substrate) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/10/02 08:52 |
| S10<br>5 | 999    | S104 and (grating with substrate)                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/10/01 12:27 |

## EAST Search History

|          |        |   |   |    |    |                  |
|----------|--------|---|---|----|----|------------------|
| S10<br>6 | 323    | S105 and absorb\$4  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/10/01 12:27 |
| S10<br>7 | 291    | S106 not S102   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/10/01 12:27 |
| S10<br>8 | 37     | ("20020081062"   "4875773"  <br>"5206920"   "5600472"   "5706377"<br>  "5784507"   "5799118"  <br>"6618129"   "6650809"  <br>"6792182").PN. OR<br>("2002/0131685"   "2003/0039008"<br>  "2004/0096150"   "2004/0151429"<br>  "2004/0223696"   "6169838"  <br>"6753958"   "6904205").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/10/01 12:30 |
| S10<br>9 | 208066 | "385"/\$.ccls. "359"/\$.ccls. "398"/\$.<br>ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/10/02 08:52 |
| S11<br>0 | 9127   | S109 and (reflect\$4 with grating)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/10/02 08:52 |
| S11<br>1 | 1747   | S110 and ((waveguide (wave adj<br>guide)) with substrate)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/10/02 08:52 |
| S11<br>2 | 383    | S111 and (mach adj (zender<br>zehnder zhender))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/10/02 09:01 |
| S11<br>3 | 2      | "6753958".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/10/02 09:01 |